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- (71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]**, Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **PASQUIER, Laurent** [FR/FR]; c/o SPID, 156 Boulevard Haussmann, F-75008 Paris (FR). **DURANTON, Marc** [FR/NL]; c/o SPID, 156 Bd Haussmann, F-75008 PARIS (FR). **ZHAO, Qin** [FR/FR]; c/o SPID, 156 Bd Haussmann, F-75008 PARIS (FR).
- (74) Agent: **CHAFFRAIX, Jean**; Société Civile SPID, 156 Boulevard Haussmann, F-75008 Paris (FR).
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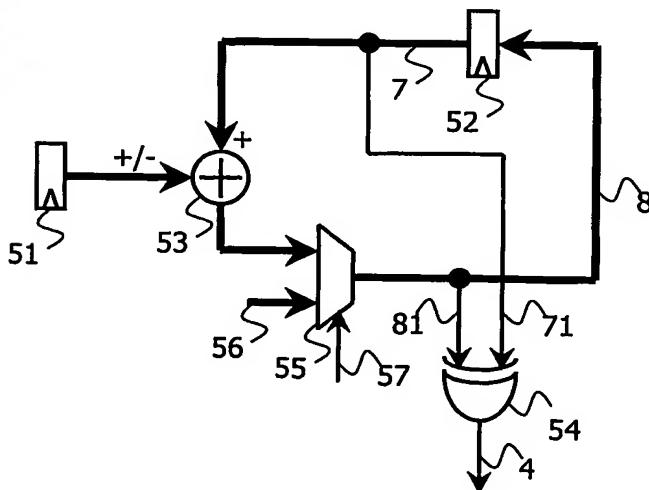
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(54) Title: DIGITAL SAMPLING FREQUENCY CONVERTER



(57) Abstract: The present invention relates to a converter converting an input digital signal into an output digital signal. Said converter comprises in particular a set of shift registers able to contain samples of the input or output digital signal. It also comprises a calculation unit able to supply a shift signal (4) to said set of registers. Said calculation unit comprises a first storage unit (51) able to contain a value of a conversion ratio or of its inverse, so that the value stored is between 0 and 1. It also comprises a second storage unit (52) able to contain, at a cycle time $i+1$, i being an integer, a future signal (8) equal to a sum of a current signal (7) contained in the second unit at a cycle time i and of the content of the first storage unit. The shift signal then results from an exclusive OR function (54) between a most significant bit of the current signal (71) and a most significant bit of the future signal (81).



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